

WEST Search History

DATE: Tuesday, June 07, 2005

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L4	L2 and (hemiacetal or acetal)	3
<input type="checkbox"/>	L3	L2 and acetal	3
<input type="checkbox"/>	L2	L1 and glyoxylic	13
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L1	(560/129,179,188,231,234,238) [CCLS]	1873

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 19:12:56 ON 07 JUN 2005)

FILE 'CAPLUS, BIOSIS' ENTERED AT 19:14:08 ON 07 JUN 2005

FILE 'REGISTRY' ENTERED AT 19:14:17 ON 07 JUN 2005
E GLYOXYLIC ACID/CN

L1 1 S E3

FILE 'CAPLUS, BIOSIS' ENTERED AT 19:14:44 ON 07 JUN 2005

L2 6376 S L1

L3 12 S L1 AND TRANSESTER?

L4 593 S L1 AND ESTER

L5 50 S L4 AND CATALYST

L6 13 S L5 AND (ACETAL OR HEMIACETAL)

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 443920-13-6 REGISTRY
CN Acetic acid, hydroxy(1-methylethoxy)-, 1-methylethyl ester (9CI) (CA
INDEX NAME)

OTHER NAMES:

CN Glyoxylic acid isopropyl ester isopropyl hemiacetal

FS 3D CONCORD

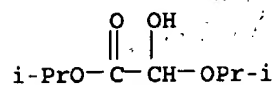
MF C8 H16 O4

SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Patent

RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

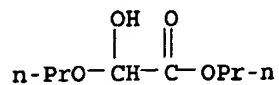


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

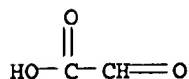
L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 90883-51-5 REGISTRY
CN Acetic acid, hydroxypropoxy-, propyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Glyoxylic acid propyl ester propyl hemiacetal
FS 3D CONCORD
MF C8 H16 O4
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

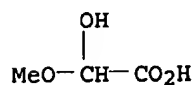
L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 298-12-4 REGISTRY
 CN Acetic acid, oxo- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Glyoxylic acid (8CI)
 OTHER NAMES:
 CN α -Ketoacetic acid
 CN Formylformic acid
 CN Glyoxalic acid
 CN NSC 27785
 CN Oxalaldehydic acid
 CN Oxoacetic acid
 CN Oxoethanoic acid
 FS 3D CONCORD
 MF C2 H2 O3
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*,
 DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE,
 MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO,
 SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;
 Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4669 REFERENCES IN FILE CA (1907 TO DATE)
 160 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 4671 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 39140-61-9 REGISTRY
CN Acetic acid, hydroxymethoxy- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Glyoxylic acid methyl hemiacetal
FS 3D CONCORD
MF C3 H6 O4
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, IFICDB, IFIPAT, IFIUDB,
USPATFULL
(*File contains numerically searchable property data)
DT.CA CAPLUS document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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Web

Definitions of **Acetal** on the Web:

- An engineering thermoplastic introduced to industry in 1956 as a potential replacement for die-cast metals. Acetal resins are produced by the polymerization of purified formaldehyde [CH₂O] into both homopolymer and copolymer types. Industrial end-users are very familiar with the acetals in the form of gears, bearings, bushings, cams, housings, conveyors and any number of moving parts in appliances, business machines, etc., Consumers may be more familiar with applications such as automotive door handles, seat belt components, plumbing fixtures, shaver cartridges, zippers and gas tank caps. Acetals are extremely rigid without being brittle. They have a high
www.plasticsindustry.org/industry/defs.htm
- A type of plastic used in the manufacture of fittings for PB plumbing systems.
www.pbpipe.com/terms.htm
- (POM) a highly crystalline thermoplastic resin polymerized from formaldehyde that is formed from combining aldehydes and alcohol; generic name of polyoxymethylene.
www.sgia.org/glossary/Aa.cfm
- The product of the reaction of an aldehyde with excess alcohol
www.chem.ucalgary.ca/courses/351/Carey5th/Ch25/ch25-1-2.html
- A plastic tough, stable engineering thermoplastic with a high modulus of elasticity, high strength, good rigidity, dimensional stability, resistance to moisture, solvents, and other chemicals.
www.polyconn.com/searchglossary.cfm
- any organic compound formed by adding alcohol molecules to aldehyde molecules
www.cogsci.princeton.edu/cgi-bin/webwn2.1
- An acetal is a functional group or molecule containing the functional group of a carbon bonded to two -OR groups.
en.wikipedia.org/wiki/Acetal

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